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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

<u>Listing of Claims</u>:

1. (Currently Amended) A primary lithium battery comprising:

an anode including a lithium-containing anode active material;

a solid cathode including a current collector including an aluminum alloy and a cathode active material <u>including a manganese dioxide</u>, a CF_x iron disulfide, or a vanadate in contact with the current collector; and

a separator between the anode and the cathode,

wherein the aluminum alloy is a 6000 series aluminum alloy and includes 0.04-0.4% by weight of chromium, 0.01-6.8% by weight of copper, 0.1-7% by weight of magnesium, 0.15% or less by weight of manganese, and 0.4-0.8% by weight of silicon.

- 2. (Original) The battery of claim 1, wherein the lithium-containing anode active material is lithium or a lithium alloy.
- 3. (Currently Amended) The battery of claim 1, wherein the-aluminum alloy includes 0.15-0.4% by weight of copper, 0.7% or less by weight of iron, 0.8-[[1.2]]0.15% by weight of manganese, 0.1% or less by weight of titanium, and 0.25% or less by weight of zinc.
 - 4-14. (Cancelled).
- 15. (Original) The battery of claim 1, further comprising a nonaqueous electrolyte in contact with the anode, the cathode, and the separator.

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16. (Original) The battery of claim 15, wherein the nonaqueous electrolyte includes an organic solvent.

- 17. (Original) The battery of claim 15, wherein the nonaqueous electrolyte includes a perchlorate salt.
 - 18. (Cancelled).
- 19. (Original) The battery of claim 1, wherein the current collector is an expanded metal grid.
- 20. (Original) The battery of claim 19, wherein the current collector has a yield strength of at least 2.0 lb/in.
- 21. (Original) The battery of claim 19, wherein the current collector has a yield strength of at least 5 lb/in.
- 22. (Original) The battery of claim 19, wherein the current collector has a tensile strength of at least 5 lb/in.
- 23. (Original) The battery of claim 19, wherein the current collector has a tensile strength of at least 7 lb/in.
- 24. (Original) The battery of claim 19, wherein the current collector has a yield strength of at least 2.0 lb/in and a tensile strength of at least 5 lb/in.

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25. (Cancelled).

26. (Currently Amended) A primary lithium battery comprising:

an anode including a lithium-containing anode active material;

a solid cathode including a current collector including an aluminum alloy and a cathode active material selected from the group consisting of metal oxides and metal halides in contact with the current collector, wherein the current collector has a resistivity of less than $100 \text{ m}\Omega/\text{cm}$; and

a separator between the anode and the cathode,

wherein the aluminum alloy is a 6000 series aluminum alloy and includes 0.04-0.4% by weight of chromium, 0.01-6.8% by weight of copper, 0.1-7% by weight of magnesium, 0.15% or less by weight of manganese, and 0.4-0.8% by weight of silicon

27. (Currently Amended) A primary lithium battery comprising:

an anode including a lithium-containing anode active material;

a solid cathode including a current collector including an aluminum alloy and a cathode active material selected from the group consisting of metal oxides and metal halides in contact with the current collector, wherein the current collector has a resistivity of less than $10 \text{ m}\Omega/\text{cm}$; and

a separator between the anode and the cathode,

wherein the aluminum alloy is a 6000 series aluminum alloy and includes 0.04-0.4% by weight of chromium, 0.01-6.8% by weight of copper, 0.1-7% by weight of magnesium, 0.15% or less by weight of manganese, and 0.4-0.8% by weight of silicon.

28. (Previously Presented) A primary lithium battery comprising: an anode including a lithium-containing anode active material;

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a solid cathode including a current collector including an aluminum alloy and a cathode active material including a manganese dioxide in contact with the current collector;

a separator between the anode and the cathode; and

a non-aqueous electrolyte including an organic solvent and a perchlorate salt in contact with the anode, the cathode and the separator,

wherein the aluminum alloy is a 6000 series aluminum alloy and includes 0.04-0.4% by weight of chromium, 0.01-6.8% by weight of copper, 0.1-7% by weight of magnesium, 0.15% or less by weight of manganese, and 0.4-0.8% by weight of silicon.

29-31. (Cancelled).

- 32. (Original) The battery of claim 28, wherein the current collector is an expanded metal grid.
- 33. (Original) The battery of claim 32, wherein the current collector has a yield strength of at least 2.0 lb/in.
- 34. (Original) The battery of claim 32, wherein the current collector has a yield strength of at least 5 lb/in.
- 35. (Original) The battery of claim 32, wherein the current collector has a tensile strength of at least 5 lb/in.
- 36. (Original) The battery of claim 32, wherein the current collector has a tensile strength of at least 7 lb/in.

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37-55. (Cancelled).

56. (Currently Amended) A primary lithium battery comprising:
an anode including a lithium-containing anode active material; and
a cathode including a current collector including a 6061 aluminum alloy and a cathode
active material selected from the group consisting of metal oxides and metal halides in contact
with the current collector.

- 57. (Original) The battery of claim 56, wherein the cathode active material is a solid.
- 58. (Original) The battery of claim 56, wherein the cathode active material is a liquid.
- 59. (Original) The battery of claim 56, wherein the cathode active material includes SO₂ or SOCl₂.
- 60. (Original) The battery of claim 56, wherein the current collector includes a pulled grid.
- 61. (Original) The battery of claim 56, wherein the current collector includes a leveled grid.
- 62. (Currently Amended) A method of making a primary lithium battery comprising assembling a solid cathode including a manganese dioxide, a CF_x, iron disulfide, or a vanadate and a current collector including an aluminum alloy, an anode including lithium, and a separator in a housing,

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wherein the aluminum alloy is a 6000 series aluminum alloy and includes 0.04-0.4% by weight of chromium, 0.01-6.8% by weight of copper, 0.1-7% by weight of magnesium, 0.15% or less by weight of manganese, and 0.4-0.8% by weight of silicon.

63-64. (Cancelled).

- 65. (Previously Presented) The method of claim 62, wherein the aluminum alloy includes 0.15-0.4% by weight of copper, 0.7% or less by weight of iron, 0.8-1.2% by weight of manganese, 0.15% or less by weight of titanium, and 0.25% or less by weight of zinc.
- 66. (Original) The method of claim 62, wherein the current collector is an expanded metal grid.
 - 67. (Cancelled).
- 68. (Original) The method of claim 62, further comprising placing a nonaqueous electrolyte in the housing.
- 69. (Original) The method of claim 68, wherein the nonaqueous electrolyte includes an organic solvent.
- 70. (Original) The method of claim 68, wherein the nonaqueous electrolyte includes a perchlorate salt.

71-76. (Cancelled).

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77. (Cancelled).

78. (Previously Presented) The method of claim 26, wherein the current collector is a metal grid and a portion of the metal grid consists of the aluminum alloy.

79. (Previously Presented) The method of claim 27, wherein the current collector is a metal grid and a portion of the metal grid consists of the aluminum alloy.

80-82. (Cancelled).

83. (New) A primary lithium battery comprising:

an anode including a lithium-containing anode active material;

a solid cathode including a current collector including an aluminum alloy and a cathode active material selected from the group consisting of metal oxides and metal halides in contact with the current collector; and

a separator between the anode and the cathode,

wherein the aluminum alloy is a 6000 series aluminum alloy and includes 0.04-0.4% by weight of chromium, 0.01-6.8% by weight of copper, 0.1-7% by weight of magnesium, 0.15% or less by weight of manganese, and 0.4-0.8% by weight of silicon.

84. (New) A method of making a primary lithium battery comprising assembling a solid cathode including a cathode active material including a manganese dioxide, a CF_x, iron disulfide, or a vanadate and a current collector including an aluminum alloy, an anode including lithium, and a separator in a housing,

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wherein the aluminum alloy is a 6000 series aluminum alloy and includes 0.04-0.4% by weight of chromium, 0.01-6.8% by weight of copper, 0.1-7% by weight of magnesium, 0.15% or less by weight of manganese, and 0.4-0.8% by weight of silicon.